

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference KAE/B2/03		of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
PCT/IB 03/01403	10/03/2003	08/03/2002	
Applicant KAERYS S.A.			
	een prepared by this International Searching Aut transmitted to the International Bureau.	hority and is transmitted to the applicant	
This International Search Report consis	sts of a total ofX sheets. by a copy of each prior art document cited in this	s report.	
Basis of the report a. With regard to the language, the language in which it was filed, to	ne international search was carried out on the ba unless otherwise indicated under this item.	sis of the international application in the	
Authority (Rule 23.1(b)) b. With regard to any nucleotide	and/or amino acid sequence disclosed in the in	••	
was carried out on the basis of	the sequence listing : tional application in written form.		
=	nternational application in computer readable for	m.	
furnished subsequently	to this Authority in written form.		
furnished subsequently	to this Authority in computer readble form.		
	subsequently furnished written sequence listing on as filed has been furnished.	does not go beyond the disclosure in the	
the statement that the information	nformation recorded in computer readable form i	s identical to the written sequence listing has been	
2. Certain claims were fo	ound unsearchable (See Box I).		
3. Unity of invention is la	acking (see Box II).		
4. With regard to the title,			
the text is approved as	submitted by the applicant.		
	lished by this Authority to read as follows: S WITH COMPUTATION OF THE AIR SENSORS	FLOW PROVIDED TO THE PATIENT	
5. With regard to the abstract,			
the text has been estab	submitted by the applicant. lished, according to Rule 38.2(b), by this Authori he date of mailing of this international search rep		
ראדי	blished with the abstract is Figure No.	1	
as suggested by the ap		None of the figures.	
	ailed to suggest a figure. er characterizes the invention.		
Decause this ngule bett	er characterizes the invention.		

INTERNATION SEARCH REPORT

International application No.

T/ IB 03/01403

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The invention concerns an apparatus (1) to assist patient respiration by delivering air to a patient through a mask, said mask being designed to be connected on one first extremity of a tube (20), said apparatus (1) comprising:
- a control unit (2) to adjust the pressure delivered by the blower (4) of said apparatus (1),

- a first pressure sensor (6) for sensing the pressure PM at said first tube extremity and being connected to said control unit (2), and
- a second pressure sensor (8) for sensing the pressure PB at the air output of said blower (4) and being connected to said control unit (2); in order that, when a tube (20) is connected to said mask and connected to said apparatus (1) on its said second extremity, the air flowing from the apparatus (1) to the mask, said control unit (2) is able to calculate the airflow at said second extremity of the tube (20) from said pressures PM and PB and from the airflow resistance coefficient $K_{\mathbf{T}}$ of said tube (20).

A. CLASSIFICATION OF SUBJECT MERILIPORT A61M16/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) I PC $\,\,7\,\,$ A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

Citation of document, with indication, where appropriate, of the relevant passages EP 1 177 810 A (SAIME SARL) 6 February 2002 (2002–02–06)	Relevant to claim No.
6 February 2002 (2002-02-06)	1,2
paragraph '0044! - paragraph '0045!; figure 2	
EP 1 166 813 A (SIEMENS ELEMA AB) 2 January 2002 (2002-01-02) abstract; figures	1-19
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WO 98 57691 A (MARTIN DION CHARLES CHEWE; RESMED LTD (AU); KENYON BARTON JOHN (AU) 23 December 1998 (1998-12-23) abstract; figures	1-19
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	2 January 2002 (2002-01-02) abstract; figures EP 0 821 976 A (SIEMENS ELEMA AB) 4 February 1998 (1998-02-04) abstract; figures WO 98 57691 A (MARTIN DION CHARLES CHEWE; RESMED LTD (AU); KENYON BARTON JOHN (AU) 23 December 1998 (1998-12-23) abstract; figures

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 3 September 2003	Date of mailing of the international search report $01/10/2003$
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Valfort, C

International Application No

Continue	etion) DOCUMENTS CON FRED TO BE RELEVANT	-
tegory °	Citation of document, where appropriate, of the relevant passages	Relevant to claim No.
	WO 92 11054 A (PURITAN BENNETT CORP) 9 July 1992 (1992-07-09) abstract; figures	1-19
Х	WO 02 053217 A (WICKHAM NICOLA FRANCES EF ; RESMED LTD (AU))	1-4
	11 July 2002 (2002-07-11) page 11, line 1 - line 5 page 16, line 5 -page 17, line 20 page 18, line 5 -page 19, line 14; figures 1-3	5-19
	;	
		,

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information on patent family members

international Application No PCT/IB 03/01403

				C1/11	8 03/01403
Patent document cited in search report	6	Publication date	·	Patent family member(s)	Publication date
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			US	5549106 A	27-08-1996
			US	5794614 A	18-08-1998
			US	5845636 A	08-12-1998
			US	5259373 A	09-11-1993
WO 02053217	Α	11-07-2002	WO	02053217 A1	11-07-2002



These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international phulication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the International application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
 "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

it must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Children